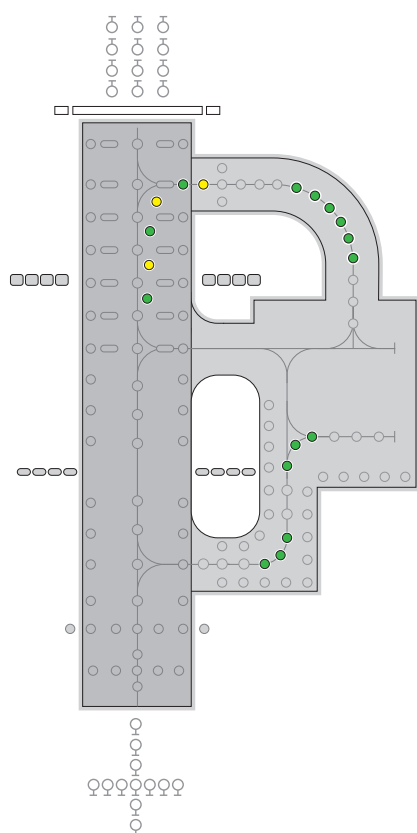


Tungsten halogen



# ZA280D

8" taxiway centre line,  
curved sections (wide)  
high intensity lighting  
solutions



## Applications

CAT I/II/III all weather operation  
airfield ground lighting (agl)  
systems

## Compliant with Latest International Standards<sup>\*</sup>

- ▶ FAA AC 150/5345-46
- ▶ IEC 61827<sup>†</sup>
- ▶ EASA<sup>†</sup>
- ▶ Stannag 3316 (NATO)

<sup>\*</sup> As applicable to the application, compliance with other  
civil aviation and military regulations confirmed on request

<sup>†</sup> Electrical/Mechanical/Environmental characteristics only

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L-852D

# ZA280D 8" taxiway centre line, curved sections (wide), high intensity lighting solutions



## Electrical Performance

| Main Beam Aperture |         | Colour  | Power Consumption<br>Watts (VA) @ 6.6A |
|--------------------|---------|---------|--|
| Horiz(°)           | Vert(°) |         |  |
| -30 to +30         | 1 to 10 | GRN/GRN | 48W                                    |
| -30 to +30         | 1 to 10 | YEL/YEL | 48W                                    |
| -30 to +30         | 1 to 10 | GRN/YEL | 48W                                    |
| -30 to +30         | 1 to 10 | GRN/BLK | 48W                                    |
| -30 to +30         | 1 to 10 | YEL/BLK | 48W                                    |

Fixture Operational Current Range: 2.7 to 6.7A RMS

\* as measured at the input leads of the fixture.

\*\* as measured across the primary winding of an appropriately sized isolation transformer with a total fixture and transformer secondary length not exceeding ~ 1.85m (72").

**Note:** Isolating transformer shall be suitably sized to accommodate specific secondary and other applicable losses.

For Bi-directional twin lead option use unidirectional electrical performance for each direction.

## Environmental Conditions

► Ambient Temperature -55 °C to +55°C (-67 °F to +131°F)

► Storage Temperature -55 °C to +55°C (-67 °F to +131°F)

► Ingress Protection IP67

## Photometry

### Specification

#### Taxiway Centre Line Straight (Wide) - FAA L-852D

|                                |         |
|--------------------------------|---------|
| Colour                         | Green   |
| Max/Min Intensity Ratio        | <3.0    |
| Main rect. average intensity   | 100 cds |
| Main rect. minimum intensity   | 50 cds  |
| Second rect. minimum intensity | 10 cds  |

### Typical Measured Values

|                                |         |
|--------------------------------|---------|
| Colour                         | Green   |
| Max/Min Intensity Ratio (Ref)  | <3.0    |
| Main rect. average intensity   | 156 cds |
| Main rect. minimum intensity   | 57 cds  |
| Second rect. minimum intensity | 43 cds  |

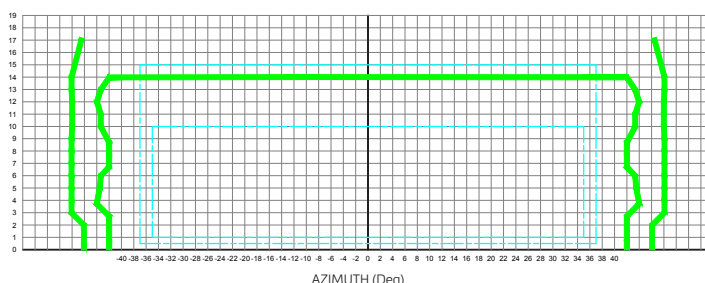
### Specification

|                                |         |
|--------------------------------|---------|
| Colour                         | Yellow  |
| Max/Min Intensity Ratio        | <3.0    |
| Main rect. average intensity   | 100 cds |
| Main rect. minimum intensity   | 50 cds  |
| Second rect. minimum intensity | 10 cds  |

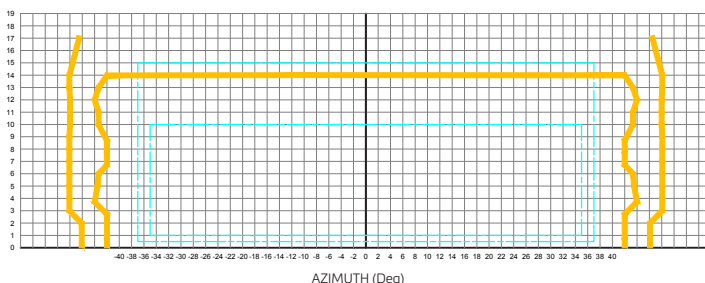
### Typical Measured Values

|                                  |         |
|----------------------------------|---------|
| Colour                           | Yellow  |
| Max/Min Intensity Ratio (Ref)    | 2.63    |
| Main rect. average intensity     | 199 cds |
| Main rect. maximum intensity (A) | 260 cds |
| Main rect. minimum intensity (B) | 83 cds  |
| Second rect. minimum intensity   | 57 cds  |

Intensity Chart - Taxiway Centreline Luminaire (curved wide) Green



Intensity Chart - Taxiway Centreline Luminaire (curved wide) Yellow



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L-852D

# ZA280D 8" taxiway centre line, curved sections (wide) high intensity lighting solutions



Ordering Codes ZA280D



## Application

L-852D Taxiway Centreline  
Straight (Wide)

## Beam Type

### A Side

5 = Straight (Wide)  
0 = Blank

### B Side

5 = Straight (Wide)  
0 = Blank

## Colour

### A Side

G = Green  
Y = Yellow  
N = Not Applicable

### B Side

G = Green  
Y = Yellow  
N = Not Applicable

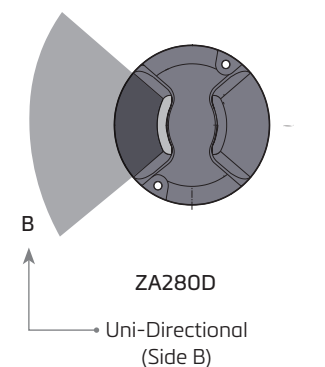
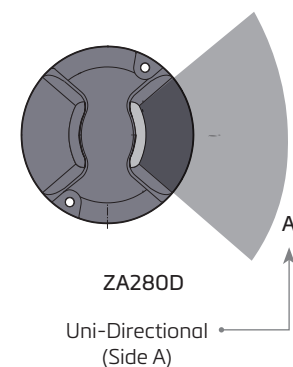
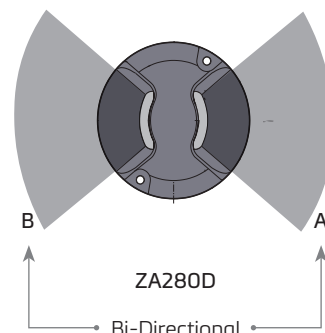
## Specification

1 = FAA

## Connections

1 = 1 Bi Pin Plug  
2 = 2 Bi Pin Plug

## Beam Options



Additional optional features are  
available upon request

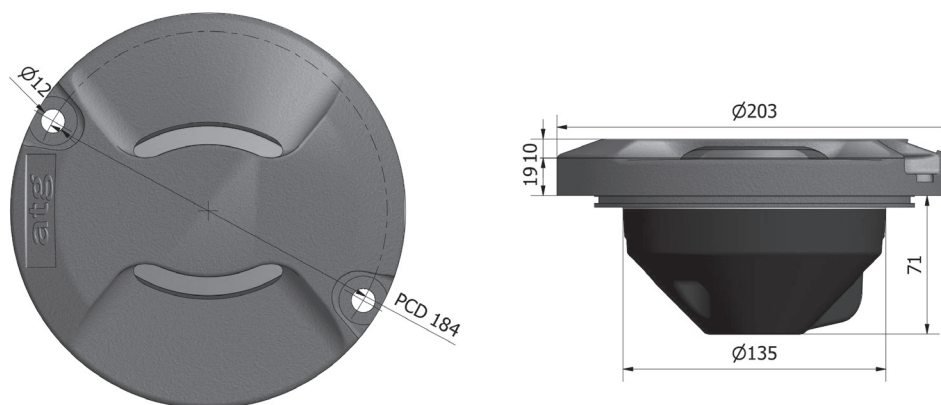
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L-852D

# ZA280D 8" taxiway centre line, curved sections (wide) high intensity lighting solutions

## Dimensions



## Packaging

► Net weight 3.0Kg    ► Gross weight 3.51Kg (boxed)    ► Box 230mm (L) x 230mm (W) x 146mm (H)

\*Dimensions are nominal

Consultants specification and installation information for the Iris range is available by request.

Contact [enquiries@atgairports](mailto:enquiries@atgairports) for further details.

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# L-852D